

Name _____

Date _____

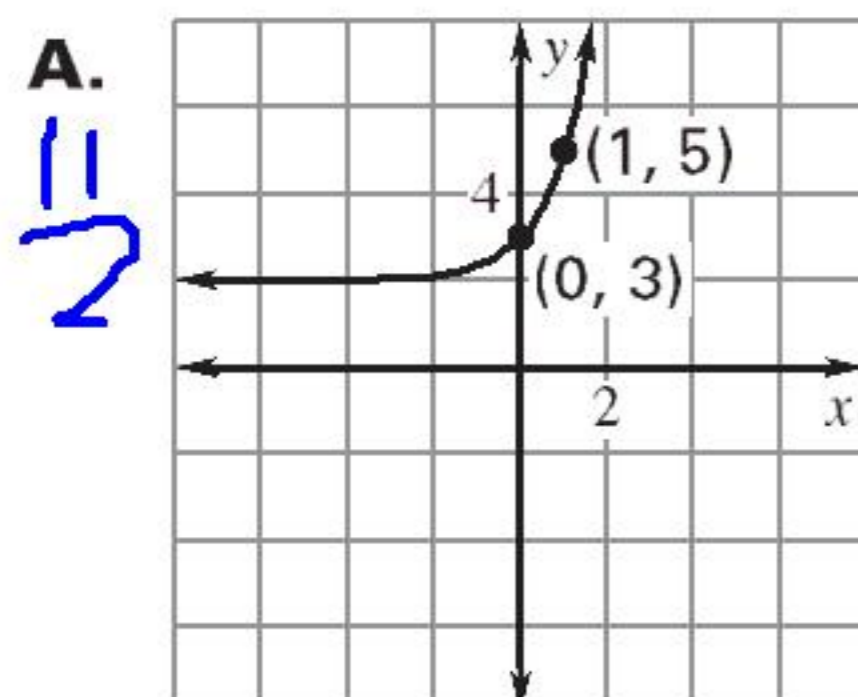
LESSON
7.1

Practice

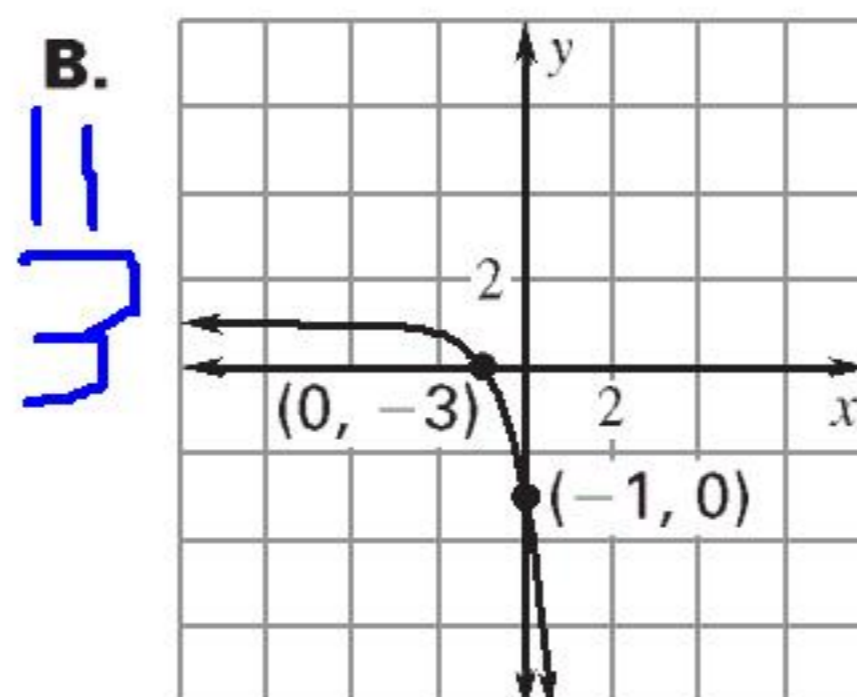
For use with pages 478–485

Match the function with its graph.

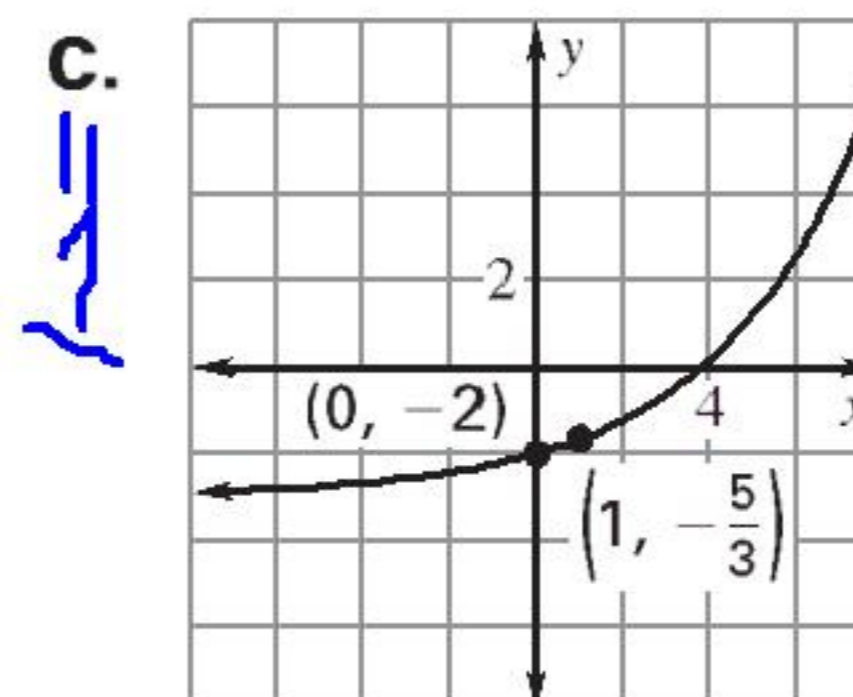
1. $f(x) = \left(\frac{4}{3}\right)^x - 3$



2. $f(x) = 3^x + 2$

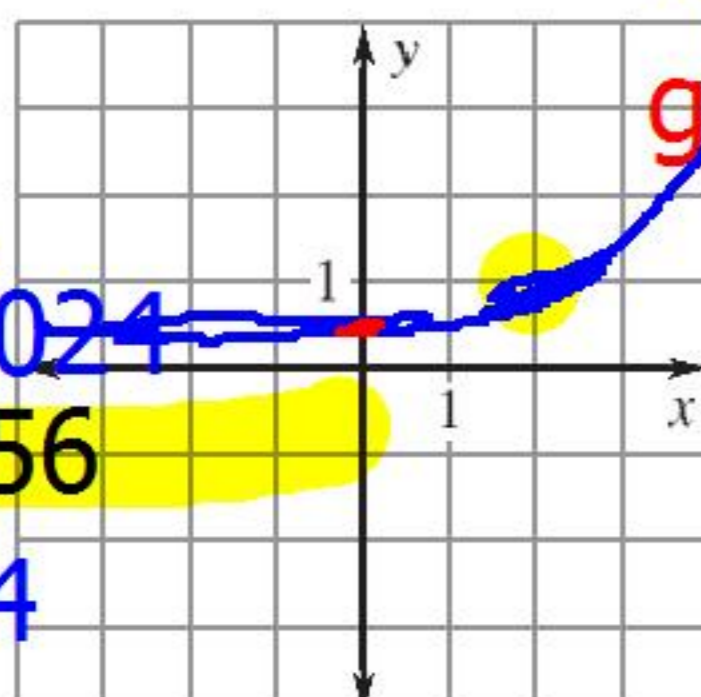


3. $f(x) = -4^{x+1} + 1$

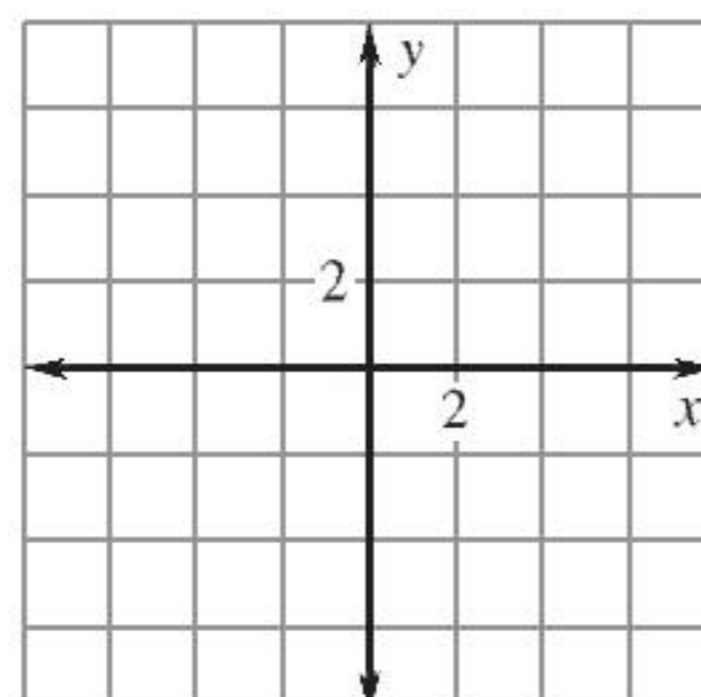


Graph the function. State the domain and range.

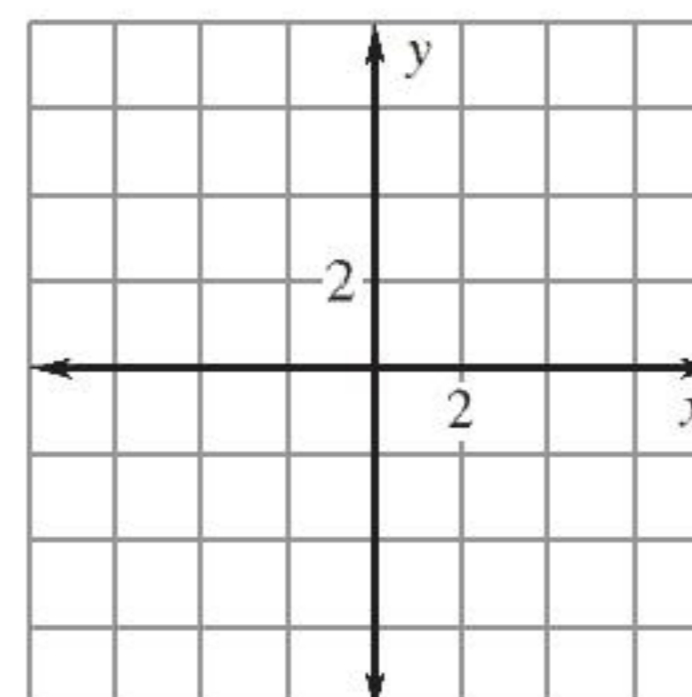
4. $f(x) = 4^{x-2}$



5. $f(x) = 2^x + 1$

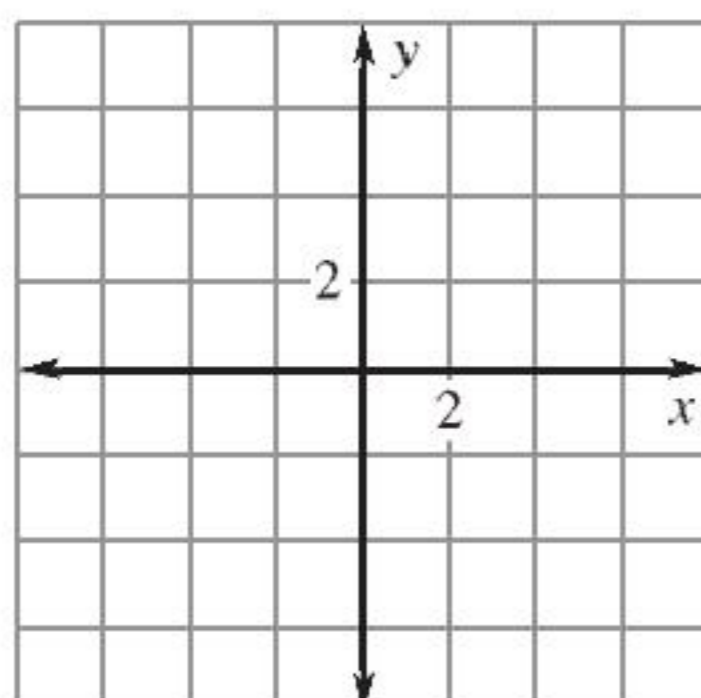


6. $f(x) = -3^{x+1}$

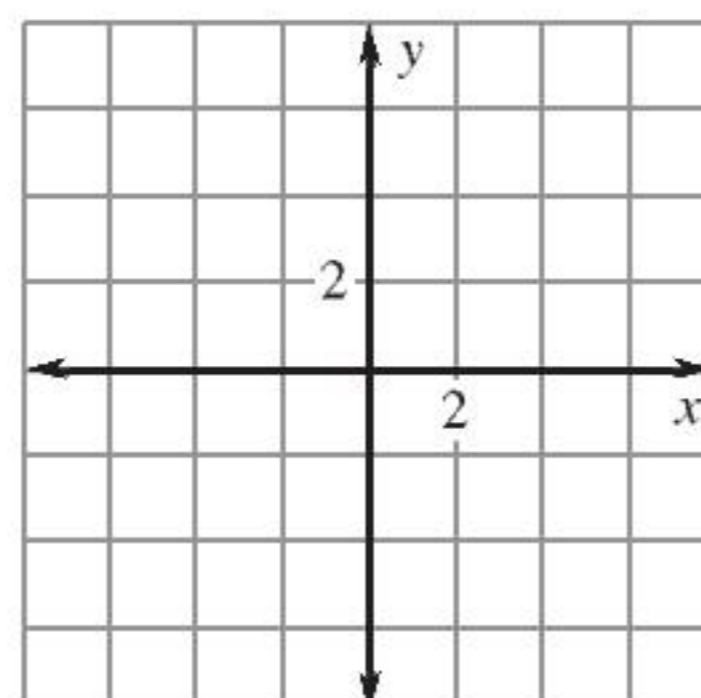


-3	1/1024
-2	1/256
-1	1/64
x	y
0	1/16
1	1/4
2	1
3	4

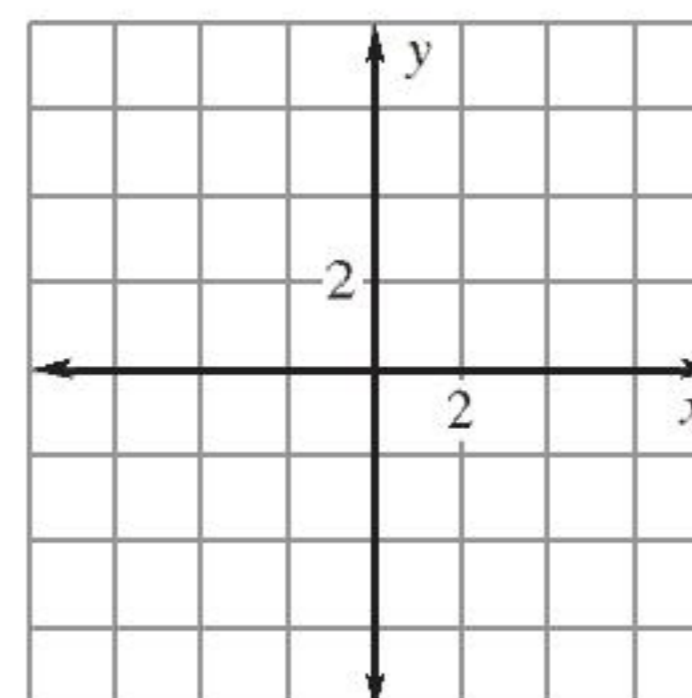
7. $f(x) = 2^{x-2} - 3$



8. $f(x) = -2(3^{x+1}) + 2$



9. $f(x) = \left(\frac{3}{2}\right)^x - 2$



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LESSON
7.1

Practice *continued*

For use with pages 478–485

In Exercises 10–12, use the following information.

Account Balance You deposit \$3500 in an account that earns 2.5% annual interest. Find the balance after one year if the interest is compounded with the given frequency.

10. annually

11. quarterly

12. monthly

In Exercises 13–15, use the following information.

Population From 1990 to 2000, the population of California can be modeled by $P = 29,816,591(1.0128)^t$ where t is the number of years since 1990.

13. What was the population in 1990?

$$29,816,591 * 1.0128^t$$

14. What is the growth factor and annual percent increase?

15. Estimate the population in 2007.